

Listing of Claims:

1-19. (Canceled)

20. (Currently Amended) A wear protection coating, ~~in particular an erosion protection coating for gas turbine components,~~ which is applied to a to-be-protected surface of a flow mechanically stressed component, comprising an at least double-layer structure, wherein a first layer is applied to the to-be-protected surface of the component and has a material composition that is adapted to a material composition of the component, ~~and wherein a second layer forms an outer cover coat,~~ and wherein the first layer includes pores disposed within the first layer.

21. (Previously Presented) The wear protection coating according to Claim 20, wherein the first layer of the wear protection coating is comprised of a same or a similar material as the component.

22. (Cancelled)

23. (Cancelled)

24. (Previously Presented) The wear protection coating according to Claim 20, wherein the first layer is applied directly to the to-be-protected surface of the component.

25. (Currently Amended) The wear protection coating according to Claim 20, wherein the component is comprised of a titanium alloy and the first layer is comprised of a ~~perous~~ titanium alloy and wherein the component is a blade of a gas turbine.

26. (Currently Amended) The wear protection coating according to Claim 20, wherein the component is comprised of a titanium-aluminum material and the first layer is comprised of a ~~perous~~ titanium-aluminum material.

27. (Previously Presented) The wear protection coating according to Claim 20, wherein the second layer of the wear protection coating is relatively hard.

28. (Previously Presented) The wear protection coating according to Claim 20, wherein the second layer is applied directly to the first layer.

29. (Previously Presented) The wear protection coating according to Claim 20, wherein the second layer is comprised of a titanium-nitride material, an aluminum-nitride material or a titanium-aluminum-nitride material.

30. (Currently Amended) A component, ~~in particular a gas turbine component,~~ with a wear protection coating, ~~in particular with an erosion protection coating,~~ which is applied to a to-be-protected surface of a flow mechanically stressed component, wherein the wear protection coating has an at least double-layer structure, wherein a first layer is applied to the to-be-protected surface of the component and has a material composition that is adapted to a material composition of the component, ~~and wherein a second layer forms an outer cover coat, and wherein the first layer includes pores disposed within the first layer.~~

31. (Currently Amended) A method to manufacture a wear protection coating, ~~in particular an erosion protection coating for gas turbine components,~~ which is applied to a to-be-protected surface of a flow mechanically stressed component, comprising the steps of:

a) making available the component comprised of a component material composition; and

b) applying the wear protection coating to the to-be-protected surface of the component, wherein the wear protection coating has an at least double-layer structure, wherein a first layer is applied to the to-be-protected surface of the component and has a material composition that is adapted to a material composition of the component, ~~and wherein a second layer forms an outer cover coat, and wherein the first layer includes pores disposed within the first layer.~~

32. (Currently Amended) The method according to Claim 31, wherein the first layer is applied directly to the to-be-protected surface of the component ~~as a porous layer~~.

33. (Currently Amended) The method according to Claim 31, wherein additives are incorporated into a material of the first layer and wherein the additives are vaporized thereby leaving behind the pores within the first layer.

34. (Previously Presented) The method according to Claim 31, wherein the first layer of the wear protection coating is applied by daubing, dipping or spraying as a slip material and is then hardened preferably by stove-enameling or aluminizing.

35. (Previously Presented) The method according to Claim 31, wherein the first layer of the wear protection coating is applied with aid of a targeted matter vapor beam, in particular a PVD (Physical Vapor Deposition) matter beam.

36. (Previously Presented) The method according to Claim 31, wherein the second layer is produced by evaporation coating or by nitration or by oxidizing or by aluminizing.

37. (Previously Presented) The method according to Claim 36, wherein the second layer is applied directly to the first layer.

38. (Currently Amended) A gas turbine component, comprising:
a surface; and
a wear protection coating applied to the surface, wherein the wear protection coating includes a first layer in contact with the surface and having a material composition that is adapted to a material composition of the surface, and a second layer applied to the first layer that forms an outer cover coat on the component, wherein the first layer includes pores disposed within the first layer.

39. (Currently Amended) A method for wear protecting a component of a gas turbine, comprising the steps of:

applying a wear protection coating to a surface of the component, wherein the wear protection coating includes a first layer in contact with the surface and having a material composition that is adapted to a material composition of the surface, and a second layer applied to the first layer that forms an outer cover coat on the component, wherein the first layer includes pores disposed within the first layer.

40. (New) The wear protection coating according to Claim 20, wherein the pores are an evaporated additive to a material of the first layer.

41. (New) The wear protection coating according to Claim 40, wherein the material is a matter vapor beam or a slip material.

42. (New) The component according to Claim 30, wherein the pores are an evaporated additive to a material of the first layer.

43. (New) The component according to Claim 42, wherein the material is a matter vapor beam or a slip material.

44. (New) The gas turbine component according to Claim 38, wherein the pores are an evaporated additive to a material of the first layer.

45. (New) The gas turbine component according to Claim 44, wherein the material is a matter vapor beam or a slip material.

46. (New) The wear protection coating according to Claim 20, wherein the wear protection coating is an erosion protection coating for gas turbine components.

47. (New) The component according to Claim 30, wherein the component is a gas turbine component and wherein the wear protection coating is an erosion protection coating.